

REMARKS

Amendments

Amendments to the Claims

Applicant has amended claims 2, 11, 16 and 23. No new matter has been added as a result of these amendments.

Examiner Interview

Applicant wishes to thank the Examiner for the courtesy of a telephone interview on July 24, 2007, in which the Examiner indicated that the proposed amendments would overcome the current rejections.

Rejections

Rejections under 35 U.S.C. § 102(b)

Claims 2-8, 11-14, 16-21, and 23-26

Claims 2-8, 11-14, 16-21, and 23-26 stand rejected under 35 U.S.C. § 102(b) as being anticipated by Stortz, U.S. Patent No. 5,900,885. Applicant respectfully submits that Stortz does not teach each and every element of the invention as claimed in claims 2-8, 11-14, 16-21, and 23-26.

Stortz discloses using either a system memory or video controller to provide a composite video buffer. The composite video frame buffer comprises interleaved portions of the dedicated and incremental video buffers. The controller interleaves the contents of the dedicated and incremental video buffers to produce a single interlaced video frame. Because the controller interleaves the data, each buffer only contains data for part of the video frame. Thus, the controller uses both buffers to create a single video frame.

With regards to claims 2, 11, 16, and 23, Applicant claims a full frame of color data is written into the frame-preparation memory at frame rate. The Examiner equates Applicant's frame-preparation and refresh memories to Stortz's two video buffers. However, Applicant's frame preparation memory holds a full frame of color data. In contrast, Stortz's incremental video buffer only holds part of a video frame because both

the incremental and dedicated video buffers are used to interleave one frame of video. Furthermore, Stortz does not disclose that the incremental buffer can hold a full frame of video. Thus, Stortz does not teach or suggest the claimed element as claimed in claim 2, 11, 16, and 23. Therefore, Applicant respectfully submits that claims 2-8, 11-14, 16-21, and 23-26 are not anticipated by Stortz under 35 U.S.C. § 102(b) and respectfully requests the withdrawal of the rejection of the claims.

Rejections under 35 U.S.C. § 103(a)

Claim 9

Claim 9 stands rejected under 35 U.S.C. § 103(a) as being obvious over Stortz in view of Akeley, US Patent No. 6,075,543. Applicant respectfully submits that the combination is improperly motivated.

Akeley discloses managing multiple independent frame buffers by maintaining a queue of buffers. Rendering is enabled to a back buffer. Once rendering to the back is complete, the back buffer is appended to the queue and becomes the new front buffer. However, Akeley does not disclose how the buffers are mapped into frame preparation or refresh memories.

The combination does not teach or suggest all of the claims elements in claim 9. Claim 9 depends on independent claim 2. In claim 2, Applicant recites a full frame of color data is written into the frame-preparation memory at frame rate. Because Akeley does not disclose how the buffers are mapped onto a frame-preparation memory, Akeley cannot disclose a full frame of color data is written into the frame-preparation memory at frame rate. Furthermore, Stortz does not teach or suggest this claim element. Therefore, the combination cannot be properly interpreted as disclosing claim 2 and claim 9 that depend on it.

Accordingly, the combination cannot render obvious Applicant's claim 9 and Applicant respectfully requests the withdrawal of the rejection of the claims under 35 U.S.C. § 103(a) over the combination.

SUMMARY

Claims 2-9, 11-14, 16-21 and 23-26 are currently pending. In view of the foregoing remarks, Applicant respectfully submits that the pending claims are in condition for allowance. Applicant respectfully requests reconsideration of the application and allowance of the pending claims.

If the Examiner determines the prompt allowance of these claims could be facilitated by a telephone conference, the Examiner is invited to contact Eric Replogle at (408) 720-8300 x7514.

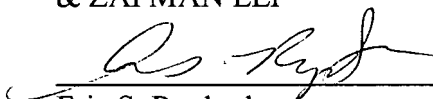
Deposit Account Authorization

Authorization is hereby given to charge our Deposit Account No. 02-2666 for any charges that may be due. Furthermore, if an extension is required, then Applicant hereby requests such extension.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR
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